

Appendix A-1
Waste Rock Areas

DEP METEORIC WATER MOBILITY TEST
LABORATORY NUMBER G066-07L
INVOICE NUMBER G0214L
DATE March 27, 1992
Page 2 of 3
Sample I.D.: Waste Rock Characterization W-3

TEST PROCEDURE

Material, all passing 2 inches identified by the client as Waste Rock W-3 March '92 was air dried and split to obtain a test sample of 5,116.6 grams. The sample was placed in an 8 inch column for extraction by an artificial lixiviant of pH 6.12 made from reagent grade water and nitric acid. A solution application rate of .48 liters per hour was used to circulate 11,580 milliliters of the lixiviant through the material. Solution recovery at 24 hours was 96.4% with a saturation volume of 210 ml's. The recovered solution was preserved for testing as required for each type of analysis to be conducted.

A separate split of the test material was wet screened to obtain the percentage of material passing a 200 mesh U.S. standard screen. Test results are tabulated as follows:

Sample: Waste Rock Characterization W-3
Test Sample Weight: 5,116.6 grams
Solution Volume applied: 11,580 milliliters
Initial pH: 6.12 Lixiviant
Final pH: 5.87 Effluent
Leach Time: 24 hours Leach Method: Column
Saturation Volume: 210 milliliters
Percent material passing 200 mesh: 8.92%

METHOD

Alkalinity:			EPA 310.0
Bicarbonate		mg/l	
Total	17	mg/l	
Sulfate:	908	mg/l	EPA 375.4
Chloride:	13.75	mg/l	EPA 325.3
Strate:	4.55*	mg/l	EPA 350.3
Fluoride:	2.50*	mg/l	EPA 340.2
Iron:	1,522	mg/l	EPA 160.2
A.D. Cyanide:	N/A	mg/l	ASTM D2036-89

* Indicates analytical constituent analyzed by another laboratory.

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 Page 3 of 3
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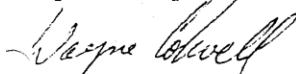
AMENDED PAGE

32 ELEMENT ANALYSIS					
Sample I.D.: Waste Rock Characterization W-3					
Element	ppm	Element	ppm	Element	ppm
Aluminum	0.069	Gallium	-0.050	Scandium	-0.050
Antimony	-0.050*	Iron	0.143	Selenium	-0.005
Arsenic	-0.05*	Lead	-0.025	Silver	-0.05*
Barium	0.099	Lithium	0.24	Sodium	14.36
Beryllium	0.004	Magnesium	31.65	Strontium	1.171
Bismuth	-0.025	Manganese	1.095	Thallium	-0.040
Cadmium	-0.005	Mercury	0.00294*	Tin	-0.080
Calcium	246*	Molybdenum	0.010	Titanium	0.038
Chromium	0.109	Nickel	0.085	Vanadium	0.008
Cobalt	0.123	Phosphorus	-0.100	Zinc	0.607
Copper	19.41	Potassium	7.400		

EPA METHOD: 200 SERIES

*Indicates analytical constituent analyzed by another laboratory.

Respectfully Submitted


 Wayne M. Colwell
 General Manager



MINERALS PROCESSING AND ENVIRONMENTAL LABORATORIES, INC.

STATIC TEST

FOR

Arimetco, Inc./Copper Tek Corporation
102 Burch Drive
Yerington, NV 89447

ATTN: Bill Sifford

Laboratory Number G066-07A
Invoice Number G0214A

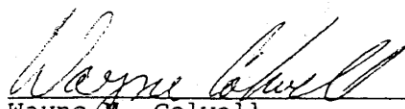
February 4, 1993

FINAL REPORT

Static Test
Laboratory Number G066-07A
Invoice Number G0214A
Date February 4, 1993
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FINAL REPORT

Sample I.D.: Waste Rock Characterization W-3		
	Units of Measure	
Total Sulfur (as S)	0.19	%
Pyritic Sulfur (as S)	0.05	%
Sulfur, Unidentified (as S)	-0.01	%
Sulfate, Sulfur (%)	0.18	%
APP/Peroxide (as S)	-0.01	%
Total Sulfur	5.9	(Tons CaCO ₃ /Kt)
Pyritic Sulfur	1.6	(Tons CaCO ₃ /Kt)
APP/Peroxide	-0.3	(Tons CaCO ₃ /Kt)
Acid Neutralizing Potential	6.9	(Tons CaCO ₃ /Kt)


Wayne M. Colwell
General Manager

Case Number: R01S07
 Site: PPER MINE, YERINGTON
 SDG: 00299B, 00299C
 Date: 11/07/00

Analysis: Metals
 Matrix: Solids

Sample No.	N/A			N/A			N/A			N/A			N/A			N/A		
Sample I.D.	T-1			T-2			T-3			T-4			T-5			T-6		
Lab Sample I.D.	AD28925			AD28926			AB28927			AB28928			AB28929			AB28930		
Date of Collection	10/19/00			10/19/00			10/19/00			10/19/00			10/19/00			10/19/00		
Units	mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg		
Analyte	Result	Q	Com	Result	Q	Com	Result	Q	Com	Result	Q	Com	Result	Q	Com	Result	Q	Com
Aluminum	2000			6000			2000			2000			2000			2000		
Antimony	20 U	J	BI	20 U			20 U			20 U			20 U			20 U		
Arsenic	10			10			10			10			10			10		
Barium	90			40			60			60			70			90		
Beryllium	1			1			1			1			1			1		
Cadmium	1 U			1 U			1 U			1 U			1 U			1 U		
Calcium	2000			2000			2000			2000			2000			2000		
Chromium	6			7			6			6			6			14		
Cobalt	20			20			20			20			20			20		
Copper	1100			5600			2400			4300			1000			2500		
Iron	2000			5000			2000			2000			2000			2000		
Lead	5	J	B	4			8			10			4			4		
Magnesium	5000			100			2000			2000			2000			2000		
Manganese	50			100			100			90			50			220		
Mercury	10			10			10			10			10			10		
Nickel	10 U			10			9	J	A	10			5	J	A	20		
Polysulfur	2000			2000			2000			2000			2000			2000		
Selenium	5			17	J	F	3	J	A	2	J	A	3	J	A	8	U	
Silver	20			20			20			20			20			20		
Sodium	90	J	A	50	J	A	500			80	J	A	100			900		
Strontium	1000			1000			1000			1000			1000			1000		
Vanadium	31			35			21			30			30			43		
Zinc	1000			1000			1000			1000			1000			1000		
% Solids	99			99			97			99			99			97		

Com - Comments refer to the corresponding section in the report narrative for each letter.

N/A - Not Applicable.

N/R - Not Required.

Q - Refer to data qualifiers.

U - The parameter was analyzed for, but was not detected; The associated value is the sample quantitation limit, adjusted for dilution, if any.

J - The associated value is an estimated quantity.

All results are in mg/Kg dry weight.

Use Number: K 007
 Location: PPER MINE, YERINGTON
 IDG: 00299B, 00299C
 Date: 11/07/00

Analysis: Metals
 Matrix: Solids

Sample No.	N/A	N/A	N/A	N/A	N/A	N/A
Sample I.D.	T-7	T-8	T-9	T-10	T-11	SALT-1
Sample I.D.	AB28931	AB28932	AB28933	AB28934	AB28935	AB28936
Date of Collection	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00	10/19/00
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Element	Result	Q	Com	Result	Q	Com
Aluminum	20	J	A	20	J	A
Antimony	20	J	A	30	U	
Barium	20			20	U	
Bismuth	20			30		
Boron	20			80		
Calcium	3			40		
Chromium	3			20	U	J B
Copper	13000			1	U	
Fluorine	13			1	U	
Iron	230			17		
Lead	680			8		14
Magnesium	570			2200		
Manganese	2700			2300		6700
Mercury	10			1000		3100
Molybdenum	2700			4	J AE	5
Nickel	230			900		100
Phosphorus	14			170		1700
Potassium	14000			20		20
Selenium	5	J	AF	320		100
Silver	23000			10	U	
Sulfur	600			15000		600
Titanium	14			26		53
Zinc	70			74		61
						98
						100
						60

- Comments refer to the corresponding section in the report narrative for each letter.
 - Not Applicable.

- Not Required.

- Refer to data qualifiers.

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- Results are in mg/Kg dry weight.